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A service-oriented DIP construction for an IP network service management is provided that can save the data capacity. Plural service entries dangle below a customer sub-tree. Plural policy rule entries dangle below each of the service entries. Plural policy rule format entries dangle below a policy sub-tree. Plural service class definition entries dangle below a system sub-tree. Each of the plural service entries includes as an attribute a condition parameter which is referred to from each policy rule entry via each policy rule format entry. Each of the plural service entries includes as an attribute an action parameter which is referred to from each policy rule entry via each policy rule format entry and via each service class definition entry.